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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/688,608	10/17/2003	Oliver C. Ibe	0012.0001US1	2438

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EXAMINER
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MILLER, BRANDON J

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 08/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/688,608

Applicant(s)

IBE ET AL.

Examiner

Brandon J. Miller

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 and 8-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Bridgelall.

Regarding claim 1 Bridgelall teaches a method for communicating with a mobile device comprising emulating the mobile device on a wide area cellular wireless network using a fixed radio terminal (see abstract and paragraph [0053]).

Regarding claim 2 Bridgelall teaches a method for handing off a communication session with a mobile terminal between a local network and a wide area wireless network (see paragraphs [0052] & [0058]). Bridgelall teaches switching the communication session between a communication path passing from the wide area wireless network through a fixed radio terminal and over the local network to the mobile terminal (see abstract and claim 1). Bridgelall teaches establishing a communication path passing from a device on the local network to the mobile terminal not passing through fixed radio terminal (see paragraphs [0030] & [0031]).

Regarding claim 3 Bridgelall teaches a local network, including a network access point for coupling a mobile device to (see paragraph [0030]). Bridgelall teaches the local network and

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fixed radio terminal including an antenna for communicating on a wide area cellular network; and a radio transceiver coupled to the radio antenna (see paragraph [0033]). Bridgelall teaches a network interface for communicating over the local network (see paragraph [0031]).

Regarding claim 4 Bridgelall teaches a method of deploying a gateway as an interface between a local area network and multiple wide area cellular wireless networks that use different technologies simultaneously, the method comprising: the gateway tuning multiple radios to different cellular networks (see paragraphs [0029] & [0032]).

Regarding claim 5 Bridgelall teaches a fast handoff scheme that does not require the mobile device to register in the wide area cellular wireless network as it moves from the local area network into the wide area cellular wireless network in which the mobile device inherits the call parameters of the proxy device, which is the gateway, and switches its radio to the new network without experiencing interruption in the call connection (see abstract and claim 1).

Regarding claim 6 Bridgelall teaches a method that permits migration to VoIP without the need for deploying expensive VoIP switching infrastructure, comprising implementing the TDM-to-VoIP conversation in the gateway (see paragraphs [0076] & [0084]).

Regarding claim 8 Bridgelall teaches a call control method in which the call is translated by the gateway, which is referred to here as the Cellular Proxy, from a mobile device operating on a cellular network and a fixed wired telephone or user terminal connected to the PBX as a PBX phone or via the LAN as a VoIP phone (see abstract and claim 1).

Regarding claim 9 Bridgelall teaches a call control method in which an outbound or inbound call enters or leaves the user organization premises from the PSTN via a PBX or wireline carrier's Centrex service, or as a VoIP call via an private Internet connection between

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two sites, as a VPN connection between sites over the public Internet, or as a VoIP call to a public Internet or carrier's VoIP service (see paragraph [0032] & [0076]).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bridgelall in view of Kao.

Regarding claim 7 Bridgelall teaches a flexible method of routing calls originating with an enterprise (see paragraph [0041]). Bridgelall teaches forwarding calls to a cellular wireless network via a Cellular Proxy (see paragraph [0053] and claim 1); and forwarding calls to the Internet or a private IP network via the enterprise router using a virtual private network (see abstract and paragraph [0032]). Bridgelall does not specifically teach forwarding calls to the PSTN via the PBX. Kao teaches forwarding calls to the PSTN via the PBX (see col. 2, lines 53-57). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include forwarding calls to the PSTN via the PBX because this would allow for improved bi-directional communication with a plurality of user stations.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Wejke et al. U.S Patent No. 5,175,867 discloses neighbor-assisted handoff in a cellular communications system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J. Miller whose telephone number is 571-272-7869.

The examiner can normally be reached on Mon.-Fri. 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



August 4, 2005



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